



operator tree stream buffer

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[Operator scheduling in a data stream manager](#)[psu.edu \[PDF\]](#)

D Carney, U Çetintemel, A Resin, S Zdonik, ... - Proceedings of the ..., 2003 - portal.acm.org

... Depth of a query specifies the number of levels in the application **tree** and fan-out specifies the average number of children for each box. ... Using this box, we can model a variety of stateless **stream-based operators** such as filter, map, and union. ...[Cited by 176](#) · [Related articles](#) · [Bl. Direct](#) · [All 35 versions](#)[\[PDF\] Design of forest riparian buffer strips for the protection of water quality: Analysis of scientific literature](#)[wildrockies.org \[PDF\]](#)

GH Bell, JC Laughlin, T Merrill - Idaho Forest, Wildlife and ..., 1992 - maps.wildrockies.org

... attention. The method of yarding and the care equipment **operators** take are, of course, important considerations. ... slope. Another model estimates the probability a riparian tree would contribute LOD to the **stream** channel. These ...[Cited by 70](#) · [Related articles](#) · [All 3 versions](#)[Chain: Operator scheduling for memory minimization in data stream systems](#)[psu.edu \[PDF\]](#)

B Babcock, S Babu, R Motwani, M ... - Proceedings of the 2003 ..., 2003 - portal.acm.org

... aim of this paper is to design scheduling strategies that will form the core of a resource manager in a data **stream** system. ... Thus queries can be represented as rooted trees. Every **operator** is a filter that operates on a tuple and produces s tuples, where s is the **operator** selectivity. ...[Cited by 199](#) · [Related articles](#) · [All 33 versions](#)[The BSD packet filter: A new architecture for user-level packet capture](#)[psu.edu \[PDF\]](#)

S McCanne, V Jacobson - Proceedings of the USENIX Winter 1993 ..., 1993 - portal.acm.org

... module and, thus, the capture module must copy data to **STREAM buffers** to send it up the **stream** to the ... In the **tree** model each node represents a boolean operation while the leaves represent test predicates on packet fields. The edges represent **operator**-operand relationships. ...[Cited by 805](#) · [Related articles](#) · [All 77 versions](#)[A query algebra for fragmented XML **stream** data](#)[psu.edu \[PDF\]](#)

S Bose, L Fegaras, D Levine, V Chaluvadi - Database Programming ..., 2004 - Springer

... Each n-ary algebraic **operator** op in the algebraic **tree** of a query is associated with n + 1 binding ...The **operator** then recursively processes the remaining **stream** of records. ... failed predicate) or ⊥ (presence of a hole), then the fragment record t is not released to the output **stream**. ...[Cited by 28](#) · [Related articles](#) · [Bl. Direct](#) · [All 12 versions](#)

Models and issues in data stream systems

B Babcock, S Babu, M Datar, R Motwani, J ... - Proceedings of the ..., 2002 - portal.acm.org
 ... If one thinks about evaluating continuous **stream** queries using a traditional **tree** of query **operators**, where data streams enter at the leaves and final query answers are produced at the root, then the incorporation of blocking **operators** into the query **tree** poses problems. ...

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[psu.edu \[PDF\]](#)

Maximizing the output rate of multi-way join queries over streaming information sources

SD Viglas, JF Naughton, J Burger - Proceedings of the 29th ..., 2003 - portal.acm.org
 ... Once the **stream** slowed down, the output rates were reversed, and when the **stream** re-turned to its initial rate, the original relative performance again appeared. This validates our intuition that while it is impossible to pick a single **tree** of binary **operators** that is always ...

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[nrc-cnc.gc.ca \[PDF\]](#)

Fine sediment deposition in streams after selective forest harvesting without riparian buffers

DP Kreutzweiser, SS Capell - Canadian Journal of ..., 2001 - article.pubs.nrc-cnc.gc.ca
 ... tired skidders. While opera-tors were careful to avoid driving machinery into or across **stream** beds, no **buffer** zones were established along the streams and there were no restrictions on taking marked trees from **stream** sides. ...

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Encapsulation of parallelism in the Volcano query processing system

G Graefe - ACM SIGMOD Record, 1990 - portal.acm.org
 ... tte.txt for the top-most **operator** IS called repeatedly until it falls wnh an end of **stream** mdtca-tor ... in the E pro-gamming language design [24] and the algebraic query evaliuatron system of the Starburst extensible relational data-base system [22] The **tree**-structured query ...

Cited by 267 · Related articles · All 12 versions

Environmental benefits of poplar culture

JG Isebrands, DF Karnosky - Poplar Culture In North America, 2001 - books.google.com
 ... genera being used for phytoremediation because they grow rapidly, are easily propagated, and adapt well to riparian sites. ... Note wastewater emitter to the right of the **tree** in the foreground. **operators** are using hybrid poplars as an alternative for applying wastewater to their land ...

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G Graefe - ACM SIGMOD Record, 1990 - portal.acm.org

... ' This **statement** only pertains to ... mdcator After recetvng three tagged pack- ects, X's next procedure

III Ao ~111 mdicate end-of-stream to A When end-of-stream reaches the root **operator** of the **query**,

A, the **query tree** IS closed Closmg the exchange **operator** X includes ...

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An overview of query optimization in relational systems

[psu.edu \[PDF\]](#)

S Chaudhuri - Proceedings of the seventeenth ACM SIGACT- ..., 1998 - portal.acm.org

... evaluation. Finally, such a representation does not capture the fact that SQL statements

may have nested **query** blocks. nodes. (b) Use of a rule engine that allows transformations

to modify the **query** expression or the **operator trees**. Such ...

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Issues in data stream management

[psu.edu \[PDF\]](#)

L Golab, MT Özsu - ACM Sigmod Record, 2003 - portal.acm.org

... The loop contains a Windowls **statement** that specifies the type and size of the window. 5.2

Continuous Query Plans In relational DBMSs, all **operators** are pull-based: an **operator**

requests data from one of its children in the plan tree only when needed.

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Extensible query processing in Starburst

[psu.edu \[PDF\]](#)

LM Haas, JC Freytag, GM Lohman, H - ACM SIGMOD ..., 1989 - portal.acm.org

... Likewise, queries with set operations may appear wherever a select **statement** can be used --

in view ... of the relational algebra (eg, JOIN, UNION, etc.), supplemented with physical **operators**

such as ... A Starburst **query** evaluation plan (QEP) is a nesting of invocations of LOLEPOPs ...

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[PDF] Design and implementation of stream operators, query instantiator and stream buffer manager

[utia.edu \[PDF\]](#)

A Gilani - 2003 - cse.uta.edu

... representation. It can be added as part of standard SQL **statement**. It ... They are the bridge, which connects the **operators** to make the **query tree**. Data flows from the **stream** into the **buffers**, this act as an input to the **operators**, which produces new data ...

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Garlic: a new flavor of federated query processing for DB2

V Josifovski, P Schwarz, L Haas, E Lin - Proceedings of the 2002 ..., 2002 - portal.acm.org

... Once the information from the DDL **statement** has been val-idated and merged with any additional information supplied by the ... select list expression makes the plan un-usable, since without the necessary column value some **query expression** in the **operator tree** cannot be ...

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Second-order signature: a tool for specifying data models, query processing, and optimization

RH Güting - ACM SIGMOD Record, 1993 - portal.acm.org

... On the other hand, the algebras specified are also to serve as readable **query** languages (without syntactic sugar but still with a somewhat pleasing appearance). To this end we allow to specify a syntax pattern or each **operator** which, together with some slightly relaxing rules ...

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[PDF] Reducing the braking distance of an SQL query engine

MJ Carey, D Kossmann - Proceedings of the International Conference on ..., 1998 - Citeseer

... Similarly, Microsoft SQL Server provides an OPTION FAST n clause and a session-level SET ROWCOUNT n **statement** for these ... Figure 3: Range Partitioning Plans for **Query 1** ... re-initializing its in-put **operator** (ie, the table scan in the example) or its in-put **operator tree** (for more ...

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Chain: Operator scheduling for memory minimization in data stream systems

B Babcock, S Babu, R Motwani, M ... - Proceedings of the 2003 ..., 2003 - portal.acm.org

... **query operators** into **operator chains** corresponding to segments in the lower envelope of the **query progress chart** ... We can combine the preceding observations to prove a **statement** about the near-optimality of Chain on ... For the important case where all **operator** selectivities are ...

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SRS--an indexing and retrieval tool for flat file data libraries

T Etzold, P Argos - Bioinformatics, 1993 - Oxford Univ Press

... short name of the index, the symbol '.', and a key or a combination of keys separated by the logical **operators** discussed previously. ... A key in the retrieval **statement** may bear the symbol '*' (wildcard) at the end such that the key refers to all ... A! H a t H a n i Library | Query || Query 2 ...

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